BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Division

Modified Schedule-B

NAME OF WORK: Modified estimate drilling of borewell in Bhvaneshwari nagara and surrounding area bagalagunte ward no. 14

Sl No	Description of work	Unit	Qty	Approved rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,PWS by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground water in the vicinity,indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0meter in consolidation formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other inflomation required including transportation of instrument and accessories to work site,engaging technical personal and labour required etc.	Each	5	3200.00	Rupees Three Thousand Two Hundred Only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap ect.) 0 - 50.00 ----	Mtr	250	300.00	Rupees Three Hundred Only
3	50.00 - 100.00	Mtr	250	400.00	Rupees Four Hundred Only
4	100.00 - 150.00	Mtr	250	400.00	Rupees Four Hundred Only
5	150.00 - 200.00	Mtr	250	500.00	Rupees Five Hundred Only
6	200.00 - 250.00	Mtr	250	600.00	Rupees Six Hundred Only
7	250.00 - 300.00	Mtr	150	700.00	Rupees Seven Hundred Only
8	300.00 - 350.00	Mtr	50	800.00	Rupees Eight Hundred Only
9	350.00 - 400.00	Mtr	0	900.00	Rupees Nine Hundred Only
10	Supply of ISI mark 175MM nominal bore plain end Steel casing pipe grade of steel Fe 410, of wall thickness 5.4 mm thick conforming to IS 4270:2001 and lates amendments electric resistance welded steel tube material and conforming to IS 1387/1993 & manufactured by basic open hearth electric or basic oxygen process in random length of 4 to 7 mtrs. Both ends threaded conforming to IS 554/1985, one end fixed with a socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight, should be with ISI marking, weighing 25.10 kg/mtr. (inclusive of all taxes and duties) Prices include Collar medium duty.	Rm'	240	1000.00	Rupees One Thousand Only

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11	Providing and fixing 250mm dia PVC pipe and as per specification and directions.	Rmt	37.5	1000.00	
12	Above 125%	Rmt	22.5	1124.32	
13	Providing and lying at site of work 175mm thick MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colors shall be strictly as per IS 1239 (part II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete withh all lead and lifts and as directed by the Engineer in charge.	Each	5	100.00	Rupees One Hundred Only
14	Providing laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead 7 lift etc,	Rmtr	1125	500.00	Rupees Five Hundred Only
15	Supply of 50mm M.S collars (PWD SR-2018-19, P.No.XLVII Sl .No	Each	190	200.00	Rupees Two Hundred Only
16	Supply and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS : 8130-1984, and virgin PVC Sheated suitable for working voltage upto 1100 Volts as per IS : 694 : 190. 3C X 6.0Sq.mm :	Mtr	2570	180.00	Rupees One Hundred Eighty Only
17	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 1200x600 x300 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc, completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	Nos	5	14000.00	Rupees Fourteen Thousand Only
18	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sq cm	Sq.Cm	110000	0.40	Forty Paise Only
19	Providing & Fixing of clamps set and borewell cap to the pump	set	5	1500.00	Rupees One Thousand Five Hundred Only
20	Supply and delivery at site brand New best make non return valve as per IS 778/1984 with ISI mark and as per its latest amendments, Size - 50mm.	Nos	5	1000.00	Rupees One Thousand Only
21	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments, Size-50mm	Nos	5	1000.00	Rupees One Thousand Only
22	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI bend confirming to IS 1239-II, 1991 with latest amendments if any.	Nos	5	200.00	Rupees Two Hundred Only
23	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any.	Nos	5	150.00	Rupees One Hundred Fifty Only
24	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any.	Nos	5	150.00	Rupees One Hundred Fifty Only

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	...our charges for Erection, Electrification and commissioning of pump ...ts including aligning and balancing of all items including supply and ...rection of two pair of supporting clamps, borewell caps, cable and water tight gland able protectors, bolts, nuts, valve and gauges, tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Job	5	5000.00	Rupees Five Thousand Only
26	Labour charges for Erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc, complete as per specifications, with testing of as per instruction of engineer incharge of work.	Nos	5	1000.00	Rupees One Thousand Only
27	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and C Type curve, Indicator ON/OFF, Energy cross - 3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898, 40 Amos DP.	Each	5	1200.00	Rupees One Thousand Two Hundred Only
28	Supplying and lying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanished steel wire/steel tape armoured cable with PVC outer sheathing.	Mtr	175	120.00	Rupees One Hundred Twenty Only
29	Digging of trenches of 0.6mm x 0.50 mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (as per Civil SR KSRB 1-2, P-7)	Mtr	145	70.00	Rupees Seventy Only
30	Suppying and fixing Class-A GI pipe on pole /wall/ drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm	Mtr	15	300.00	Rupees Three Hundred Only
31	Supplying, fixing, wiring, earth electrode for grounding circuits, I.C cutouts and other equipments on the meter board in the pit. The pit should be filled up with equal propotion of solt and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduits etc., is to be established through GI wire of size, as per clause 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 12 mm dia.	Job	5	3600.00	Rupees Three Thousand Six Hundred Only
32	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Nos	5	450.00	Rupees Four Hundred Fifty Only
33	Suppying fixing and wiring haevy duty low voltage capacitors confirming to IS 2834, 3phase 400/400 volts grade, for power Factor improvement of roating machinery like induction motor.	KVAR	5	400.00	Rupees Four Hundred Only
34	Supply and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc.,	Each	5	280.00	Rupees Two Hundred Eighty Only
35	Providing and fixing Chorinated Poly Venyl chloride (PVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes joining of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 50mm nominal OD pipes.	Mtr	25	420.00	Rupees Four Hundred Twenty Only
36	KSRRB M2100-10. Providing and lying plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed , placed in foundation and compacted bu vibration including curing for 14 days including cost of all materials, labour, HOM cruing, form works, scaffolding and centering complete as per specifications.	Cum	0.68	4900.00	Rupees Four Thousand Nine Hundred Only

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37	Cement concrete pavement. Construction of un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed 2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick pilytheme film, wedges, steel plates including levelling the form work as per drawing). Speading the concrete with shovels, rackers, compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications - M30	Cum	3.36	4900.00	Rupees Four Thousand Nine Hundred Only
38	filling available earth around pipe lines cable in layers not exceeding 20cms. In depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications.	Cum	174.24	180.00	Rupees One Hundred Eighty Only
39	Above 125%	Cum	1083.96	118.92	Rupees One Hundred Eighteen and Ninety One Paise Only
40	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (Page No.6 , Item No.2.4,PW,P & IWTD SR 2018-19)	Cum	1258.20	441.28	Rupees Four Hundred Forty One and Twenty Seven Paise Only
41	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm 63 mm dia working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 /13.9 for internal water supply connection(Page No.96, Item No. 13.70.2 (SR 2019-20)	Mtr	1756	291.89	Rupees Two Hundred Ninety One and Eighty Nine Paise Only
42	Providing and fixing to wall, ceiling and floor, high density polyethylene pipes 6.00 kgs/sq.cm 63 mm dia working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 /13.9 for internal water supply connection(Page No.96, Item No. 13.73.2 (SR 2019-20)	Mtr	228	365.60	Rupees Three Hundred Sixty Five and Sixty Paise Only
43	Supply & delivery at site suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11kW 35 stage (P.NO-XLII, I.NO-44, PWD SR-2018-19)	Nos	1	75173.64	Rupees Seventy Five Thousand One Hundred Seventy Three and Sixty Four Paise Only

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	...pply & delivery at site suitable HP deep well submercible pumpset ...ite... for vertical installation in 150 dia borewells compressing of single ...age or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 12.5HP/9.3kW 40 stage (P.NO-XLI, I.NO-37, PWD SR-2018-19)	Nos	3	76740.96	Rupees Seventy Six Thousand Seven Hundred Forty and Ninety Six Paise Only
45	Supply & delivery at site suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 7.5HP/5.5kW SD 23stage (P.NO-XLI, I.NO-25, PWD SR-2018-19)	Nos	1	48367.14	Rupees Forty Eight Thousand Three Hundred Sixty Seven and Fourteen Paise Only
46	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm (Page No.94 , Item No.13.37,PW,P & IWTD SR 2018-19)	Nos	20	1709.09	Rupees One Thousand Seven Hundred Nine and Eight Paise Only
47	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps	Nos	15	365.60	Rupees Three Hundred Sixty Five and Sixty Paise Only

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